

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/13108

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H04B1/26, H04B1/18, H03J3/28, H03M1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04B1/18-1/26, H03J3/00-3/32, H03M1/00-1/88

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 10-173565 A (Toko, Inc.), 26 June, 1998 (26.06.98), Page 2, right column, line 8 to page 3, left column, line 18; Fig. 7 & US 6021322 A	1, 2, 5 3, 4, 6, 7 8-11
X Y A	JP 63-077275 A (Matsushita Electric Industrial Co., Ltd.), 07 April, 1988 (07.04.88), Page 3, upper left column, line 17 to page 3, lower left column, line 12; Fig. 1 (Family: none)	1, 2, 5 6, 7 3, 4, 8-11

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
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Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/13108

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 05-043629 U (Victor Company Of Japan, Ltd.), 11 June, 1993 (11.06.93), Page 6, lines 10 to 16; Fig. 1 (Family: none)	3, 4 1, 2, 5-11
Y A	JP 2002-319846 A (Kenwood Corp.), 31 October, 2002 (31.10.02), Page 3, right column, line 30 to page 4, right column, line 12; Fig. 1 (Family: none)	6, 7 1-5, 8-11

C (続き). 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	JP 63-077275 A (松下電器産業株式会社) 1988. 04. 07, 第3頁左上欄第17行-第3頁左下欄第1 2行, 第1図 (ファミリーなし)	1, 2, 5
Y		6, 7
A		3, 4, 8- 11
Y	JP 05-043629 U (日本ビクター株式会社) 1993. 06. 11, 第6頁第10行-第6頁第16行, 第1図 (ファミリーなし)	3, 4
A		1, 2, 5- 11
Y	JP 2002-319846 A (株式会社ケンウッド) 2002. 10. 31, 第3頁右欄第30行-第4頁右欄第12 行, 第1図 (ファミリーなし)	6, 7
A		1-5, 8- 11